

Title (en)
ABSORBENT ARTICLE WITH A SEALING ARRANGEMENT COMPRISING WELDING SPOTS AND METHOD FOR MANUFACTURING THE ABSORBENT ARTICLE

Title (de)
ABSORBIERENDER ARTIKEL MIT EINER DICHTUNGSANORDNUNG MIT SCHWEISSPUNKTEN UND VERFAHREN ZUR HERSTELLUNG DES ABSORBIERENDEN ARTIKELS

Title (fr)
ARTICLE ABSORBANT DOTÉ D'UN AGENCEMENT D'ÉTANCHÉITÉ COMPRENANT DES POINTS DE SOUDAGE ET PROCÉDÉ DE FABRICATION DE L'ARTICLE ABSORBANT

Publication
EP 3727261 A4 20210929 (EN)

Application
EP 18892039 A 20181221

Priority
• SE 2017000052 W 20171221
• SE 2017000055 W 20171221
• SE 2018051361 W 20181221

Abstract (en)
[origin: WO2019125298A1] The present disclosure relates to an absorbent article (1) comprising an absorbent core (5) sandwiched between a liquid-permeable topsheet (3) and a liquid-impermeable backsheet (4), said article (1) being arranged along a longitudinal axis (y1) and a transversal axis (x1) extending in a perpendicular direction in relation to the longitudinal axis (y1) and said article (1) defining a front portion (6), a back portion (7) and a crotch portion (8), wherein said absorbent core (5) comprises an absorbent component (5a, 5b, 5c) enclosed by a core cover (11, 12) comprising an upper side (11) and a lower side (12), and a sealing arrangement (15, 16, 27, 28) for joining said upper and lower sides (11, 12), wherein said sealing arrangement (15, 16, 27, 28) comprises two side seams (15, 16) extending along two side edges (25, 26) in the direction of the longitudinal axis (y1) of said core (5), wherein said sealing arrangement (15, 16, 27, 28) further comprises at least one transversally oriented connecting sealing (27, 28), said at least one connecting sealing (27, 28) joining said side seams (15, 16), wherein said sealing arrangement (15, 16, 27, 28) further comprises welding spots (24), wherein the sum of the area of the welding spots (24) is constant along the direction of the transversal axis (x1).

IPC 8 full level
A61F 13/15 (2006.01); **A61F 13/515** (2006.01); **A61F 13/53** (2006.01); **A61F 13/532** (2006.01); **A61F 13/534** (2006.01); **A61F 13/536** (2006.01); **A61F 13/539** (2006.01)

CPC (source: EP RU US)
A61F 13/15203 (2013.01 - US); **A61F 13/15699** (2013.01 - EP); **A61F 13/15739** (2013.01 - EP US); **A61F 13/515** (2013.01 - EP); **A61F 13/5323** (2013.01 - EP US); **A61F 13/536** (2013.01 - EP); **A61F 13/539** (2013.01 - EP RU US); **A61F 13/49** (2013.01 - US); **A61F 2013/15406** (2013.01 - US); **A61F 2013/530007** (2013.01 - US); **A61F 2013/530481** (2013.01 - US); **A61F 2013/5349** (2013.01 - EP); **A61F 2013/5395** (2013.01 - US); **A61F 2013/53991** (2013.01 - US)

Citation (search report)
• [Y] WO 2007046974 A1 20070426 - KIMBERLY CLARK CO [US], et al
• [Y] US 2012143164 A1 20120607 - FRANK BERND [DE], et al
• [Y] EP 3058915 A1 20160824 - PROCTER & GAMBLE [US]
• [Y] US 2017079853 A1 20170323 - WILLHAUS KEITH RICHARD [US], et al
• [Y] US 6099515 A 20000808 - SUGITO TOMOKO [JP]
• [Y] US 2016206482 A1 20160721 - NISHIKAWA MASAHARU [US], et al
• [Y] US 2014163506 A1 20140612 - ROE DONALD CARROLL [US], et al
• See references of WO 2019125298A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2019125298 A1 20190627; CN 111479541 A 20200731; CN 111479541 B 20210928; EP 3727261 A1 20201028; EP 3727261 A4 20210929; EP 3727261 B1 20240306; EP 3797745 A1 20210331; ES 2973311 T3 20240619; JP 2021508581 A 20210311; JP 6982200 B2 20211217; PL 3727261 T3 20240610; RU 2743324 C1 20210217; US 10966882 B2 20210406; US 2020375823 A1 20201203

DOCDB simple family (application)
SE 2018051361 W 20181221; CN 201880079974 A 20181221; EP 18892039 A 20181221; EP 20196247 A 20181221; ES 18892039 T 20181221; JP 2020555010 A 20181221; PL 18892039 T 20181221; RU 2020123913 A 20181221; US 201816762689 A 20181221